

DEPTH IN FEET	PID READING (ppm)	LABORATORY TEST DATA					WELL SUMMARY/ BACKFILL	PENETRATION RESISTANCE (BLOWS/6 INCHES) — SAMPLE —	USCS	PROFILE	DESCRIPTION
		PERMEABILITY (cm/s)	BENZENE (ppm)	TOLUENE (ppm)	XYLENE (ppm)	TOTAL PETROLEUM HYDROCARBONS (ppm)					
0											
5											Loose, dark brown (7.5YR 4/4) SAND, damp, minor silt, fine grained.
10	101										
15											Loose, dark brown (7.5YR 4/4) SAND, damp, well sorted.
20	2.5										Loose, dark brown (7.5YR 3/3) SAND, damp, well sorted.
25	1.4										Loose, very dark gray (10YR 3/1) SAND, damp, well sorted, fine grain.
30	0.6										Loose, very dark gray (10YR 4/2) SAND, damp, trace silt, fine grained, well sorted.
35											Loose, dark brown (7.5YR 3/3) SAND, damp, fine grained.
40	0.2										Loose, strong brown (7.5YR 4/6) SAND, damp, fine grained, very well sorted.
45											
50	0.1										Loose, yellowish brown (10YR 5/6) SAND, damp, fine grained, very well sorted.
55											Sample EA0001 at 53' Loose, pale yellow (2.5Y 7/2) SAND, damp, fine grained well sorted with 1-3 cm thick color layers with pale yellow and grayish brown and light olive brown.
60	0.0										Sample EA0001MS at 59' Very loose, white (10YR 8/2) and dark grayish brown (10YR 4/2) layers SAND, damp, medium sand, very clean and well sorted.
65											Very loose, white (10YR 8/2) SAND, damp, very clean and well sorted. No colored beds, medium grained.
70											

PROJECT NO. 776454
 CLIENT: Vandenberg AFB
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BORING NO. 8MW-9

COORDINATES N2084545.8765
 E5776718.8138

FIELD ENGINEER B. Sibbett DATE BEGAN 10-16-98
 EDITED BY DATE FINISHED 10-18-98
 CHECKED BY GROUND SURFACE EL. 408.57
 TOP OF CASING 408.16

DEPTH IN FEET	PID READING (ppm)	LABORATORY TEST DATA					WELL SUMMARY/ BACKFILL	PENETRATION RESISTANCE (BLOWS/8 INCHES) - SAMPLE -	USCS	PROFILE	BORING NO. 8MW-9	
		PERMEABILITY (cm/s)	BENZENE (ppm)	TOLUENE (ppm)	XYLENE (ppm)	TOTAL PETROLEUM HYDROCARBONS (ppm)					COORDINATES	DATE
70											FIELD ENGINEER <u>B. Sibbett</u> DATE BEGAN <u>10-16-98</u> EDITED BY <u>B. Sibbett</u> DATE FINISHED <u>10-18-98</u> CHECKED BY _____ GROUND SURFACE EL. <u>408.57</u> TOP OF CASING <u>408.18</u>	
70											DESCRIPTION Very loose, white (2.5Y 8/2) SAND, damp, very well sorted, clean. No colored beds, medium grained. Sample #A0004 at 72'.	
75									sp		Groundwater measured at 74.40' on 1/20/98 from top of casing. Very loose, white (2.5Y 8/2) SAND, moist to wet, very well sorted.	
80											Very loose, white (10YR 8/2) SAND, wet, very well sorted, clean, medium grained. 80.0'	
85									sm		Medium dense, brown (10YR 5/3) silty SAND, minor clay, medium to fine grained, few diatomite chips. 85.0'	
90									gm		Medium dense, light olive brown (2.5Y 5/3) silty GRAVEL with diatomite clasts to 4 cm, silty sand matrix. Clast are angular. 90.0'	
95											Diatomite clasts, are weathered, partially altered to clay.	
100									gp/br		Medium dense, light olive brown (2.5Y 5/3) GRAVEL BRECCIA, with diatomite clasts to 4 cm, silty SAND matrix, damp not saturated.	
105											Medium dense, light yellowish brown (2.5Y 6/3) GRAVEL or BRECCIA, diatomite clasts 1-4 cm, crude bedding, very little matrix of sand. Reddish brown (2.5YR 4/4) coating on clasts.	
110											Light brownish gray (10YR 6/2) clasts with yellowish brown (10YR 5/8) coating. Diatomite GRAVEL, few 2" sand layers clasts weathered to clayey silt texture, nonpermeable. Yellowish brown (10YR 5/4) sand layers within diatomite GRAVEL or BRECCIA rust colored coating on angular clast. 113.5'	
115									sp		Medium dense, light yellowish brown (10YR 6/4) gravelly SAND, medium grained, well sorted with few 1-2 cm diatomite clasts. 117.5'	
120									gp		Medium dense, light yellowish brown (2.5Y 6/4) sandy GRAVEL, diatomite clasts up to 2 cm, bedded with ~30% sand matrix. Black chert cobbles at 121'. Loose dark yellowish brown (10YR 4/6) SAND, damp, not saturated, interbedded with gravel. SAND and GRAVEL. 124.0'	
125											Dense DIATOMITE. Light olive brown (2.5Y 5/4) diatomite BRECCIA, all diatomite weathered, dry, bedrock.	
130												
135											Diatomite BRECCIA, continued, dry.	
140												

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DEPTH IN FEET	PID READING (ppm)	LABORATORY TEST DATA					WELL SUMMARY/ BACKFILL	PENETRATION RESISTANCE (BLOWS/8 INCHES) —SAMPLE—	USCS	PROFILE	BORING NO. 8MW-9 COORDINATES <u>N2084645.8765</u> <u>E 5776718.8138</u> FIELD ENGINEER <u>B. Sabbitt</u> DATE BEGAN <u>10-16-98</u> EDITED BY _____ DATE FINISHED <u>10-16-98</u> CHECKED BY _____ GROUND SURFACE EL. <u>408.57</u> TOP OF CASING <u>408.16</u>
		PERMEABILITY (cm/s)	BENZENE (ppm)	TOLUENE (ppm)	XYLENE (ppm)	TOTAL PETROLEUM HYDROCARBONS (ppm)					
140											DESCRIPTION Dense, light olive brown (2.5Y 5/4) DIATOMITE BRECCIA, dry, fine clasts size mostly less than 1 cm. 150.0' Dense, black (5Y 2.5/2) SHALE, unweathered. TOTAL DEPTH = 155.0 FEET
145											
150											
155											
160											
165											
170											
175											
180											
185											
190											
195											
200											
205											
210											

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